



Glenn Research Center



CGEL-2/CDOT-2 STS-95

Industries dealing with semiconductors, electro-optics, ceramics, and composites are just a few that may benefit from this knowledge...

- While CGEL studies colloids to make them more useful for technology (i.e. "Colloid Engineering")... CDOT involves the study of colloidal crystals in order to understand the way atoms behave.
- In particular the CDOT investigations use colloidal suspensions to understand atomic interactions that take place during the transition from a disordered liquid state to an ordered solid state, such as when liquid water turns to ice.
- CDOT-2 flew with CGEL-2 on STS-95 space shuttle *Discovery* as part of a series of experiments designed to help scientists answer fundamental science questions and reduce the trial and error involved in developing new and better materials.